

energy module **3** in this case a power storage module **15**, for instance an accumulator, is integrated into the computer member **2**.

This solution allows small dimensions of the device and an approvable arrangement of the different components of the computer module and the telecommunication unit. The power storage unit **15** can as well be completely integrated into the housing of the computer member.

FIG. **4** shows the device shown in FIG. **3** from the other side. Here one can see in which way the power storage unit **15** is integrated into the computer member **2**. With the embodiments of the invented device shown in FIGS. **3** and **4** the microphone **7** and the speaker **6** are situated on the outer side of the member containing the computer **2**, while in accordance with the invention the telecommunication unit is contained in member **1**. Depending on the available room in the members **1** and **2** it can either be more useful to have the microphone **7** and the speaker **6** in the same member which contains the telecommunication unit, as shown in FIGS. **1** and **2**, or to integrate them into the member containing the computer.

FIG. **5** shows another device according to the invention. As the embodiments mentioned above, it comprises a member **1** with the telecommunication unit, member **2** with the personal computer and member **3** containing the power storage unit, as for instance an accumulator. But different from the FIGS. **1** to **4** in that this figure shows a device which is extended by an additional member **18** which can e.g. contain an additional storage from storage chips. It is possible, however, that the additional member **18** comprises another power storage unit which would increase the run of the device considerably.

This figure shows one more difference from the embodiments shown in FIGS. **1** to **4**: Member **1** contains a microphone which is directed to the outside as well as to the inner side of the module. This way it is possible to use the device in the closed position as a usual mobile phone and in the open position it is possible to communicate after operating a button for so called free hands call **17**. Speech will be recorded by the microphone which is situated on the inner side of member **1**. The speaker of member **1** can in this case be used as an earpiece when operating the telephone or as a speaker when operating the personal computer. The volume can be regulated by means of the regulator **11**.

FIG. **6** shows the embodiment shown in FIG. **5**, but in a closed position. The outside surface of member **1** offers the view of a usual mobile telephone with keys **5** and a display **4** to show telephone numbers or different functions chosen by the user.

No. **16** shows an audio socket to which headphones or earphones or other fitting speakers can be connected. With a combined in- and out- audio socket it will be possible to connect to it a combined microphone/headphone device. In all embodiments shown of the FIGS. **1** to **6**, the antenna **9** is shown as a telescope antenna and it first pulled out into position. If the telecommunication unit is not used, the antenna **9** can be removed into the hinge **8**. It would not be necessary to draw out or insert the antenna in the case if it would be completely integrated into the housing (which is not shown here) because the functions of sending and receiving would operate even if the antenna would be completely concealed in the hinge,

The invention being thus described, it will be obvious that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the invention, and all such modifications as would be

obvious to one skilled in the art are intended to be included within the scope of the following claims.

What is claimed is:

1. A hand-held telephone with an integrated computer member having a cordless telecommunication unit and a personal computer with a keyboard and a computer display, the device having at least two flat, elongated members which are joined to one another in a movable way so that in the closed position their inner surfaces are adjacent, the keyboard and the computer display being arranged on the inner surfaces of these two members and the outer surface of one of the members comprise a keyboard for operating the telecommunication unit, the computer module being situated in one member of the device and the telecommunication unit together with the keys for operating the telephone in a second member, a microphone and a speaker being on one of the outer surfaces of the body, the inner surface of the first member having a display for the personal computer and on the outer surface of the first member there is a second display for the telecommunication unit and that the second member containing the personal computer can be extended by additional members, in the closed position, the outer surfaces of the device having at least two member form one unit without any of its parts jutting out.

2. The hand-held telephone according to claim **1**, wherein the keys for operating the telecommunication unit and/or the second display for the telecommunication unit are arranged in such a way that the keys for operating the telecommunication unit and the second display are arranged in lines and columns so that the lines form a right angle with the long side of the housing of the device.

3. Hand-held telephone according to claim **1**, wherein a power module is either integrated into the member containing the computer or is adjusted to it.

4. Hand-held telephone according to claim **3**, wherein the power unit is adjusted to the member containing the personal computer and that the outer surfaces of these two members form one unit without any part jutting out.

5. Hand-held telephone according to claim **3**, wherein the power unit comprises an accumulator.

6. Hand-held telephone according to claim **1**, wherein the member containing the personal computer and/or other members comprise power storage modules, data storage modules, data processing modules, radio- or tv-tuning modules, additional send/receive units for the usage of the telecommunication unit, disk or hard disk drives, chip card readers or magnetic card readers, PCMCIA-slots for memory cards, plug connections for parallel and/or serial interfaces and/or other interfaces.

7. Hand-held telephone according to claim **1**, wherein the members are connected with one another by hinges, spring catches or others.

8. Hand-held telephone according claim **7**, wherein a fixed or movable antenna is integrated into the hinge.

9. Hand-held telephone according claim **1**, wherein a fixed antenna is completely integrated into the member comprising the telecommunication unit.

10. Hand-held telephone according to claim **1**, wherein the member containing the personal computer comprises a switch for activating the hands free call function as well as a switch allowing the user to communicate after the dial tone and a volume regulator for adjusting the volume.

11. Hand-held telephone according to claim **1**, wherein the telecommunication unit comprises a mobile radio telephone.

12. Hand-held telephone according to claim **1**, wherein the keyboard for the personal computer and the computer display can be used to operate and control the telecommunication unit.